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TITLE : SPUN YARN CONTAINING BINDER FIBER

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a binder fiber-containing spun yarn containing an  $\epsilon$ -caprolactone-copolymerized polyester having the crystal melting point of a prescribed value or higher, little in shrinkage on a thermal treatment, excellent in dimensional stability, touch, dry touch and heat-setting property, and useful for woven or knitted fabrics, etc.

SOLUTION: This spun yarn contains binder fibers having a boiling water shrinkage constant of  $\leq 3\%$  and containing as a binder component an  $\epsilon$ -caprolactone-copolymerized polyester, such as a copolymer obtained by copolymerizing ethylene terephthalate units and/or butylene terephthalate units with 3-80mol.% of  $\epsilon$ -caprolactone units, and having a crystal melting point of  $\geq 100^\circ\text{C}$ . The binder fiber is preferably a sheath-core type conjugate fiber comprising polyethylene terephthalate as a core component and a binder component as the sheath component.

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